PURE

Highway

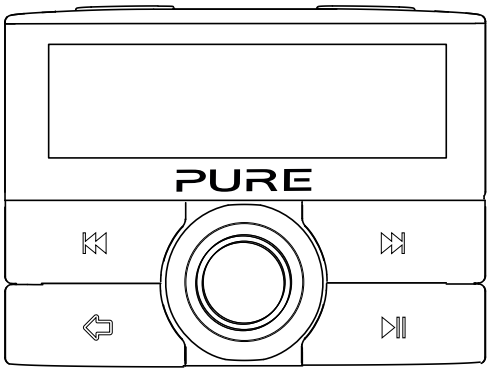
300Di

Owner's Manual

Highway

300Di

Thank you for choosing Highway 300Di. This manual will get you up and running in no time, and explains how to make the most of your Highway 300Di. We're constantly improving and adding new features to our products. To take advantage of any enhancements made since your product was shipped, please visit www.pure.com where you can check for any updated versions of software and download the latest version of this user guide in PDF format.



Safety instructions

Warning

Fit the unit and the antenna in a position that does not obscure the driver's view.

Fit the unit securely.

Do not fit the unit or the antenna in such a way that may interfere with the safe operation of the vehicle, the deployment of air bags or other safety equipment.

Avoid objects or liquids getting into the unit.

Do not remove screws from, or open, the unit casing.

Do not operate the unit while driving.

Read this manual fully before operating the unit, including all safety notices.

Caution

To reduce the risk of theft, remove the controller from your vehicle, or position it out of sight, before leaving your vehicle unattended.

WARNING

This WARNING symbol is used throughout this manual to indicate a potentially serious risk to your personal safety. Obey all safety notices that accompany this symbol to avoid possible injury or death.

Contents

4 Introduction

5 Controls and connectors

7 Getting started

9 Listening to digital radio

11 Connecting an iPod/iPhone/iPad/USB device

13 Using aux-in

14 Removing/fitting the controller

15 Settings

17 Resetting Highway 300Di

18 Technical specifications

20 Pure Warranty Statement for Australia

Introduction

This manual provides instructions for using Highway 300Di. Highway is designed for professional installation and there are a number of different options for how Highway can be connected to your existing car stereo depending on your car and your stereo.

Your installer will be able to advise you which method has been used and give you some basic instruction on how to operate Highway in your car.

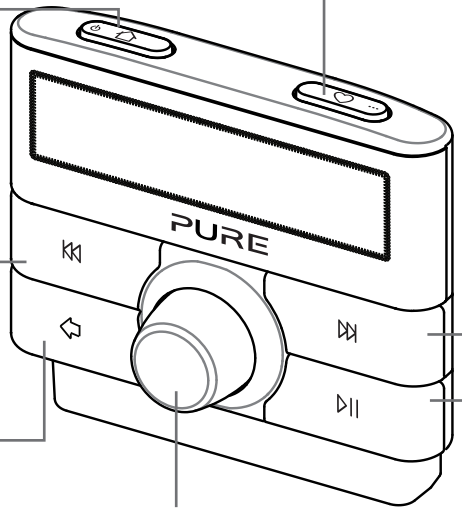
There are three main components to Highway 300Di:

Main unit	This is typically installed behind your dashboard or in a glovebox with extension cables run to convenient points for connecting your iPod, iPhone, iPad, USB device or other auxiliary music sources.
Controller	The compact, removable controller should be installed within easy reach and has a high-contrast OLED display with back-lit buttons and a simple rotary control for easy station selection or control over other connected devices.
Antenna	Highway 300Di supports three types of antenna (external, internal and magnetic mount).

Installation instructions including wiring guidance are available in the Installation Guide.

Controls and connectors

Controller



Power/Home button

Press to switch Highway on.

Press again to cycle through available sources and settings.

Press and hold to switch off.

Presets/More button

Digital Radio: Press to view and cycle through station presets list.

iPod/USB: Press and repeat to change track shuffle options. Press and hold, then press again to change track repeat options.

Rewind button

Digital radio: Press and repeat to Rewind live radio in steps of 15 seconds if you have used the pause/rewind feature.

iPod/USB: Press to skip back. Hold to rewind.

Fast forward button

Digital radio: Press and repeat to jump forward in the audio buffer in steps of 15 seconds if you have used the pause/rewind feature.

iPod/USB: Press to skip forward. Hold to fast forward.

Back button

Press to move back up a level in menus/lists.

Digital radio: Press to return to live radio if using the pause/rewind feature.

Play/pause button

Digital radio: Press to pause digital radio (maximum pause duration 5-15 minutes depending on the station's bitrate). Press again to play from where you paused.

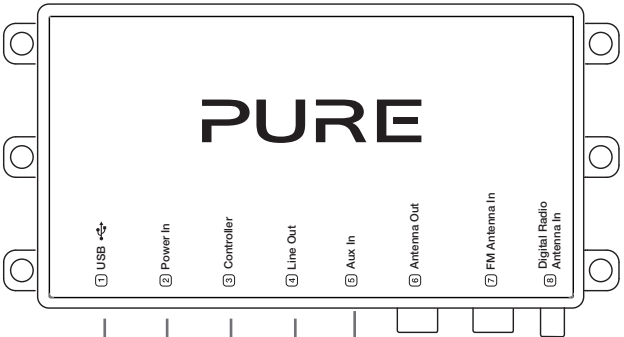
iPod/USB: Press to play/pause track playback.

Select knob

Turn to browse stations, tracks and menu items. Push to select.

Main unit

The Highway 300Di main unit is usually installed out of sight, so you may only see cable extensions enabling you to connect to the Aux In and USB sockets.



1 USB
Usually connected to the supplied USB extension cable. Connect your iPod or USB media player to the extension (or directly) for playback and charging. Also used for USB memory stick software updates.

8 Digital Radio Antenna In
Connected to your Highway digital radio antenna.

2 Power In
Connected to your car ignition 12V power supply.

3 Controller
Connected to the Highway controller.

4 Line out (3.5mm)
Audio out (could be connected to your car stereo auxiliary input).

5 Aux in (3.5mm)
Audio in from any auxiliary audio device.

6 Antenna out
Connects to the FM antenna input on your car stereo if using FM direct inject.

7 FM Antenna In
Connects to your existing FM car antenna if using FM direct inject.

Getting started

Highway 300Di Startup screen

Switching on and off

Press the ⏻ button on top of the controller to switch Highway 300Di on.
To switch off press and hold the ⏻ button down until the display switches off.

Forecourt pause

Ideal for quick stops at the petrol station or cashpoint, forecourt pause keeps Highway 300Di on standby for 15 minutes after you remove the keys, making sure it's ready for your return. Restart the ignition or press the ⏻ button within this period and Highway immediately tunes to the station you were listening to or plays the music you were listening to on your iPod or USB device exactly where it left off. If you're listening to digital radio, you can even pause it for around 5-15 minutes, and resume listening without missing a second – see page 9 for more details.

Picnic mode

Continue to enjoy Highway 300Di after you've reached your destination with picnic mode, which enables you to listen with the ignition off and your car keys removed. Simply switch Highway on again to activate picnic mode. To save power, USB-connected devices are not charged in picnic mode and Highway will automatically shut down after an hour.

Note: Both forecourt pause and picnic mode are subject to different vehicle specifications. For example, some vehicles will only supply power to the car stereo for 15 minutes with the ignition off and the keys out.

Listening to Highway 300Di

Depending on how your unit has been installed, there are three possible methods for hearing Highway 300Di through your car stereo:

Auxiliary input	Select the aux in source on your car stereo if Highway has been wired in as an auxiliary source.
FM direct inject	This method effectively takes over your FM source and replaces it with output from Highway when you switch Highway on. Select the FM radio source on your car stereo and tune to a particular frequency (default 87.6 MHz). Depending on your installation this method may also retain access to your normal FM stations to allow for traffic announcements and data services used by some navigation systems. You can change this frequency in Settings, see page 15.
FM broadcast	This method broadcasts the output from Highway over FM to your car antenna. Select the FM radio source on your car stereo and tune to a particular frequency (default 87.6 MHz). You can change this frequency in Settings, see page 15.

Selecting your audio source

Highway 300Di gives you a choice of available audio sources depending on your installation.
Choose from **Digital radio, USB** (USB connection), **iPod** (USB connection) or **Auxiliary input** via (3.5mm connection) as follows:
Press the ⌂ button and repeat to step through the source options until you see the one you want then wait for a few seconds to select the source shown on the bottom line of the screen.
or
Press the ⌂ button and turn the **Select** knob to browse through the source options then press the **Select** knob to select the source shown on the bottom line of the screen.

Changing source
(current source on top line)

Listening to digital radio

To listen to digital radio, select the **Digital radio** source as described on page 8.

Changing station
(current station on top line)

Station name option - scrolling full height text

Digital radio paused
(1 minute and 5 seconds behind live)

Selecting stations

Turn the **Select** knob to browse the list of available stations and press the **Select** knob to change station.

Changing the information on the display

Press the ⌂ button, select **Settings** > **Info display** and select one of the following options:

Station name	Full height station name (scrolls if necessary)
Name and text	Station name and any scrolling text broadcast by the station
Signal strength	Signal strength and signal quality

⚠ WARNING Don't get distracted – avoid reading scrolling text information while driving.

Pausing and rewinding digital radio

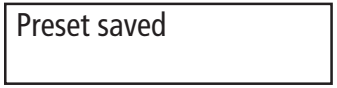
Highway enables you to pause and rewind digital radio by saving an audio 'buffer' of the current station. You can rewind for around 5–15 minutes depending on the bitrate of the current station and/or how long you've been tuned to the current station. Use the following controls to pause and control digital radio:

- ⏯ Pause and restart playback (display shows a pause icon and a timer counting time behind live)
- ⏮ Skip back through the saved audio in increments of 15 seconds
- ⏭ Skip forward through saved audio in 15 second increments until you get back to live radio

To return to live radio immediately, push the Select knob or change the station.

Tune to your favourite station

Browsing your presets list



Your preset has been saved

Using presets

You can save up to 30 of your favourite digital stations in a presets list for easy access. By default some of our favourite partner stations appear as the first few presets. You can replace these if you want.

Saving presets

1. Tune to one of your favourite stations.
2. Press the ♡ button on top of the controller.
3. Turn the **Select** knob to browse through your presets list and select where you want to save your favourite.
4. Press and hold the **Select** knob or ♡ button down to save the current station to that position on the list. Previous presets can be overwritten. You see 'Preset saved' on screen when the preset has been saved.

Selecting presets

1. Press the ♡ button.
2. Press the ♡ button again to step through the presets list until you see the one you want then wait for a few seconds to tune to that preset.

   or

   Turn the **Select** knob to browse through your presets list and push the **Select** knob to select one.

Connecting an iPod/iPhone/iPad/USB device

Connect your iPod, iPhone, iPad* or USB device (MP3 player, mobile phone or USB memory stick) to Highway 300Di's USB input using its cable. (If your main unit is inaccessible your installer will have fitted a USB extension cable for easy access.) Once connected, you can use Highway's controller to select tracks and control playback.

Browsing your tracks

Track playing

Track paused

Browsing and selecting tracks

1. Press the ⇦ button to access your device menu and turn the Select knob and press to choose whether to list by Playlists, Artists, Albums, Genres or Tracks. You can also sort by Folders (USB devices only) or by Composers, Audiobooks and Podcasts (Apple devices only), depending on content.
2. Turn the Select knob to browse through your tracks and press to select one and start playing it. A + symbol on the display indicates that there are further choices within the selected category.

Controlling playback

Use the following controls to pause and control your device:

⏯ Pause and restart playback (display shows a pause icon)
⏮ Skip to start of current track or press again within three seconds to skip back to previous tracks. Hold to fast rewind
⏭ Skip to start of next track. Hold to fast forward.

* See http://www.pure.com/products/ipod-compatibility/ for compaitbility information on the latest iPod/iPad/iPhone models.

USB track shuffle options

Track repeat options

Full height track name option

Shuffle and repeat options

Press the ⌂ button, select **Settings** and choose one of the following options:

Shuffle

For Apple devices choose Tracks, Albums or Off, for USB devices choose On or Off.
Note: Alternatively you can press the ••• button to cycle through Shuffle states.

Repeat

Choose Track, All or Off.

Note: Alternatively you can press and hold the ••• button, then press again to cycle through Repeat states.

Changing the information on the display

Press the ⌂ button, select **Settings** and choose one of the following options:

Track name	Full height track name (scrolls if necessary).
Track and artist	Information on the selected track.
Track time	Track name with time into track and time remaining.

Note: Apple devices which draw more than 500mA when charging such as iPad will charge more quickly if iPod source is selected on Highway 300Di.

Using aux-in

Connect the line out or headphone socket of any audio device to Highway 300Di using an appropriate 3.5mm to 3.5mm audio cable plugged into the **AUX in** input on Highway. Depending on the position in which your main unit has been fitted this cable may have been pre-fitted by your installer.
This connection enables audio to be played through Highway into your car stereo. While connected you use the normal controls on your audio device and car stereo, Highway cannot control playback as it does when connected using the iPod/USB connection.
To listen to music from your auxiliary device, select the Auxiliary input source as described on page 8.

AUX in source selected

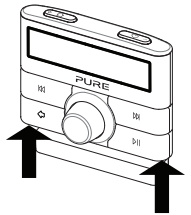
Changing the auxiliary input gain

You can adjust the gain on the Highway 300Di auxiliary input if you find the volume level from your device seems too quiet or too loud. To adjust auxiliary input gain:

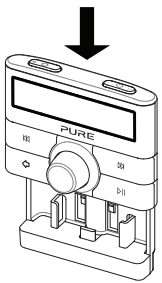
1. Select the **Auxiliary input** source.
2. Press the ⌂ button, select **Settings** > **Aux gain** and choose a value between 0 (quieter) and +3 (louder).

Removing/fitting the controller

The controller can be fitted and removed easily for security purposes. Your installation may also use a swivel bracket or some sort of universal or model-specific mounting bracket onto which the controller bracket shown is mounted – if so, take extra care when removing or fitting the controller.



Removing the controller



Fitting the controller

Removing the controller

Hold the bracket and pull the controller firmly up by the sides to remove it.

If Highway 300Di is switched on when you remove the controller it will continue radio or track playback until you replace and stop playback, turn off Highway or turn off your ignition.

Note: We recommend that you remove the controller from your car (or store out of direct sunlight) on hot/sunny days if your vehicle is to be left unattended, as temperatures inside a closed vehicle can get very high.

Fitting the controller

Slide the controller onto the mounting bracket as shown and click into place.

Settings

You can view and adjust the following settings from any source:

Setting backlight options

Backlight

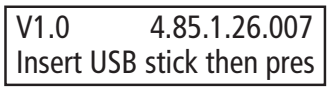
1. Press the ⌂ button, select **Settings** > **Backlight**.
2. Choose from the following backlight options for the display and backlit buttons.

   Timed dim: Dims the backlight after around 7 seconds and brightens when any button is pressed.

   Timed off: Switches the backlight off after around 7 seconds and switches on again when any button is pressed.

   Dim: Dim backlight option.

   Bright: Bright backlight option.



Software update screen showing the current software version number (left) and build number (right)

Software update

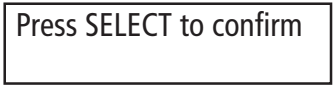
Software updates for your Highway 300Di may be made available in the future which you can load on to Highway using a USB stick connected to the USB input. If you register your product and include a valid e-mail address you will receive notification of software updates (register at www.pure.com/register). Available software updates are also made available for download from http://support.pure.com.

To update:

1. Press the ⌂ button, select **Settings > Software update**.
2. Insert the USB stick containing the update into Highway's USB socket/lead and press the **Select** knob.

Note: The update process may take around five minutes. Ensure that you don't switch off Highway or start your car during the update process or the update may fail.

Changing the display language



Confirm restore defaults

Language

You can change the language Highway 300Di uses for displaying menus and options:

1. Press the ⌂ button, select **Settings > Language**.
2. Turn the **Select** knob and press to choose from English, French, German or Italian.

Restore defaults

Restore defaults removes all saved presets, clears the station list and resets all options to their defaults.

1. Press the ⌂ button, select **Settings > Restore defaults**.
2. Press the **Select** knob to confirm you want to restore Highway 300Di defaults.

Highway will reset, switch off and on again, you will then be asked to choose your preferred language, an autotune will be performed to refresh the digital station list and Highway will tune to a digital station.

FM transmit frequency

If your unit has been installed to use FM transmit or FM direct inject, you can change the frequency on which Highway 300Di transmits if you find it is interfering with a broadcast station.

1. Press the ⌂ button, select **Settings > FM transmit frequency**.
2. Turn the **Select** knob to choose a new transmit frequency and push the **Select** knob to confirm.
3. Retune your car stereo to the new FM frequency you have chosen.

Resetting Highway 300Di

1. Remove your Highway 300Di controller module from the mounting bracket.
2. Press and hold down the ♡ and ⇦ buttons on the controller - and at the same time insert the controller back into the mounting bracket.
3. Let go of the ♡ and ⇦ buttons when you see the Highway logo appear on the controller screen and wait for Highway 300Di to reset.

Technical specifications

Radio	DAB/DAB+/DMB-Radio depending on region. Dual digital radio tuners
Frequency ranges	Band III 174-240 MHz, L-Band 1452-1490 MHz and FM 87.5-108 MHz.
Input connectors	Digital radio antenna in: FAKRA SMBA connector FM antenna in: ISO connector Analogue AUX in: 3.5mm stereo auxiliary input Power supply: 8 Way latched Molex connection - 12V from vehicle supply USB: (type A) USB connection for iPod, iPad, iPhone, external hard drives and USB sticks for audio playback, also used for software updates
Output connectors	FM antenna out: ISO connector for pass-through of FM connection Line out: 3.5mm audio out to car stereo
Apple compatibility	Supports most iPod, iPhone and iPad models. For the latest information, check the compatibility table on our website: www.pure.com/products/ipod-compatibility
Controls	Backlit control buttons for rewind and fast forward, play/pause and back. Home and presets buttons. Rotary knob with push to select
Display	High contrast yellow-on-black graphical OLED display
Antenna power supply	4.5V @ 300mA DC.
Dimensions	Controller: 70mm wide x 53mm high x 27mm deep. Main unit: 150mm wide x 24mm high x 85mm deep
Temperature range	Maximum recommended operating temperature 75°C, maximum recommended storage temperature 85°C.
Approvals	CE marked. Compliant with the EMC and Low Voltage Directives (2004/108/EC and 2006/95/EC). ETSI EN 300 401 compliant. Hereby, Pure declares that this Band II LPD device is in compliance with the essential requirements and other provisions of the Directive 1999/5/EC. Please go to www.pure.com for the full Declaration of Conformity. Suitable for use in the following markets:- A, B, BG, CY, CZ, DK, EE, FIN, F, D, EL, HU, IRL, I, LV, LT, L, MT, NL, PL, P, RO, SK, SL, E, S, GB, ISL, LIE, NOR, CHE

Pure Warranty Statement for Australia

This statement replaces any reference to warranty which may be contained elsewhere within this manual.

What do you need to do now?

Option 1: You can register your purchase on-line at https://www.pure.com/au/register/register.asp

Option 2: Or you can do nothing other than keep your proof of purchase as evidence of your purchase date. This proof of purchase would need to be presented if warranty service was ever required.

If you have any questions about your warranty you can call us toll free 1800 988 268

What's covered by this warranty?

- Pure agrees to refund, repair or replace, at your election, without charge to you, any part found to be defective during the warranty period.
- If equipment has been used according to its accompanying instruction manual and is used in a domestic situation, a two year warranty period applies.

How do you make your claim?

Call 1800 988 268 for instructions on how to return your Pure product for warranty service or go to http://support.pure.com/au/ and complete the contact us form.

What's NOT covered by this warranty?

Under this express warranty Pure will not be liable for loss or damage of any kind whatsoever, whether direct, indirect, incidental, consequential or otherwise.

- Replacement of parts due to normal wear and tear
- Products with serial number defacement, modification or removal
- Water damage or corrosion caused by dampness
- Any damage or deterioration due to shipment
- Any product which has been subjected to misuse, abuse or accident

Australian consumers — The benefits to the consumer given by this express warranty are in addition to other rights and remedies of the consumer under a law in relation to the goods or services to which this warranty relates. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law, You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Pure is distributed and supported in Australia by PIONEER ELECTRONICS AUSTRALIA PTY LTD, 5 ARCO LANE, HEATHERTON, VICTORIA, 3202

Warranty information

Imagination Technologies Ltd. warrants to the end user that this product will be free from defects in materials and workmanship in the course of normal use for a period of two years from the date of purchase. This guarantee covers breakdowns due to manufacturing or design faults; it does not apply in cases such as accidental damage, however caused, wear and tear, negligence, adjustment, modification or repair not authorised by us. Please visit www.pure.com/register to register your product with us. Should you have a problem with your unit please contact your supplier or contact Pure Support at the address shown on the rear of this manual. If you need to return your product please use the original packaging and include all parts and accessories. We reserve the right to refuse incomplete or badly packaged returns.

Disclaimer

Imagination Technologies Limited makes no representation or warranties with respect to the content of this document and specifically disclaims any implied warranties of merchantability or fitness for any particular purpose. Further, Imagination Technologies Limited reserves the right to revise this publication and to make changes in it from time to time without obligation of Imagination Technologies Limited to notify any person or organization of such revisions or changes.

Copyright

Copyright 2011 by Imagination Technologies Limited. All rights reserved. No part of this publication may be copied or distributed, transmitted, transcribed, stored in a retrieval system, or translated into any human or computer language, in any form or by any means, electronic, mechanical, magnetic, manual or otherwise, or disclosed to third parties without the express written permission of Imagination Technologies Limited.

Trademarks

Highway 300Di, Pure, the Pure logo, EcoPlus, the EcoPlus logo, Imagination Technologies, and the Imagination Technologies logo are trademarks or registered trademarks of Imagination Technologies Limited. iPad, iPod and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries. “Made for iPod,” “Made for iPhone,” and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performace standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance. All other product names are trademarks of their respective companies. Version 2 August 2012.

Disposal of Waste Electrical & Electronic Equipment

This symbol on the product or on its packaging indicates that this product should not be treated as household waste. Instead it should be handed over to a suitable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local council office, your household waste disposal service or the shop where you purchased the product.

PURE

www.pure.com
connect.pure.com
www.facebook.com/pure

Pure UK Headquarters
Imagination Technologies Ltd.
Home Park Estate
Kings Langley
Herts, WD4 8LZ
United Kingdom
www.pure.com
http://support.pure.com

Pure Australasia Pty Ltd
PO Box 5049
Wonga Park
Victoria 3115
Australia
sales.au@pure.com
http://support.pure.com/au

103YK